

Application No. 10/509,916
Amendment Dated July 26, 2006
Reply to Office Action of May 2, 2006

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-6 (cancelled)

Claim 7 (New) A device for identifying the location of a person in a working area for a machine and for preventing injury to the person, the device comprising:

 a plurality of stationary transponders, the transponders being spaced apart over at least the working area, the transponders arranged to emit an identifiable, location-specific signal when activated;

 a transceiver coupled to the person, the transceiver arranged to activate one or more of the plurality of stationary transponders when the transceiver is located within a predetermined distance from said one or more of the plurality of stationary transponders, the transceiver further arranged to receive and transmit the identifiable, location-specific signal of each activated transponder;

 a receiver/transmitter arranged to receive the identifiable, location-specific signal from each activated transponder via the transceiver, and to transmit the identifiable location-specific signal to a controller for the machine;

 wherein the controller for the machine is arranged to identify the location of a person located in the area of the plurality of spaced-apart transponders based upon the received identifiable location-specific signal(s), and to stop the machine if the person is located within the working area.

Claim 8 (New) The device according to claim 7, wherein the transponders are spaced apart along a floor area near the machine.

Application No. 10/509,916
Amendment Dated July 26, 2006
Reply to Office Action of May 2, 2006

Claim 9 (New) The device according to claim 7, wherein the transceiver is coupled to a foot of the person.

Claim 10 (New) The device according to claim 9, wherein the transceiver is coupled to a shoe sole on the person's foot.

Claim 11 (New) The device according to claim 9, wherein the transceiver is coupled to an ankle of the person.

Claim 12 (New) The device according to claim 7, wherein the transponders comprise a signal code that is reprogrammable.

Claim 13 (New) The device according to claim 12, wherein the signal code is reprogrammable by means of a signal from the receiver/transmitter.

Claim 14 (New) The device according to claim 7, comprising a plurality of transceivers coupled to the person.

Claim 15 (New) The device according to claim 7, wherein the transceiver is of a type that can be inductively charged.

Claim 16 (New) The device according to claim 8, wherein the transponders are spaced apart a distance of about 10-20 centimeters.

Claim 17 (New) The device according to claim 7, wherein the transponder is activated by means of energy emitted from the transceiver.

Application No. 10/509,916
Amendment Dated July 26, 2006
Reply to Office Action of May 2, 2006

Claim 18 (New) The device according to claim 7, further comprising a display arranged to display the identified location of the person.

Claim 19 (New) A method for identifying the location of a person in a working area for a machine and for preventing injury to the person, the method comprising the steps of:

providing a plurality of stationary transponders, the transponders being spaced apart over at least the working area, the transponders arranged to emit an identifiable, location-specific signal when activated;

providing a transceiver coupled to the person, the transceiver arranged to activate one or more of the plurality of stationary transponders when the transceiver is located within a predetermined distance from each of said one or more of the plurality of stationary transponders, the transceiver further arranged to receive and transmit the identifiable, location-specific signal of each activated transponder;

providing a receiver/transmitter arranged to receive the identifiable, location-specific signal from each activated transponder via the transceiver and to transmit the signal to a controller;

operating the controller to identify the location of a person in the area of the spaced-apart transponders based on the location-specific signal(s) and to stop the machine if the person is located within the working area.

Claim 20 (New) The method of claim 19, further comprising the step of displaying the identified location of the person on a display.

Claim 21 (New) A device to prevent that a person located within at least one machine's working area, is subjected to an injury from the at least one machine, the device including:

multiple fixed identifiable transponders individually spaced apart placed over an area, the transponders being designed to send an identifiable signal when activated;

at least one transceiver connected to a person's foot where the transceiver is capable of activating adjacent transponders, and transmit signals from the activated transponders;

a main receiver/transmitter that is designed to receive the identifiable signal from the activated transponders through the at least one transceiver and refer each activated transponder to its individual position; and

where the at least one machine is stopped if one of the activated transponders is located within the working area of the at least one machine.

Claim 22 (New) The device according to claim 21, wherein the transponders are configured to allow reprogramming of a transponders signal code by means of a signal coming from the main receiver/transmitter.

Claim 23 (New) A device according to claim 21, wherein the foot transceiver is placed in the shoe sole of the person.

Claim 24 (New) A device according to claim 21, wherein the foot transceiver is placed at the ankle of the person.